

### AMENDMENTS TO THE CLAIMS

Pursuant to 37 C.F.R. § 1.121 the following listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended): A system for automatic context management for testing, monitoring and automating a network applications, ~~comprising network applications with~~ application having client side executable code ~~execution~~, said system comprising:

a ~~testing, monitoring, or automating~~ tool operable to parse said client side executable code so as to determine a subsequent state of the network application free of interaction with a user;

~~a context full API for a replay engine of said tool; and~~

a recorder ~~capable of recording~~ operable to record at least one context-full test script; and

a replay engine of said tool having a context-full API, said replay engine being capable of executing operable to execute said context-full test script.

2. (Original): The system according to claim 1, wherein said context-full API is based on a page-level API.

3. (Currently Amended): The system according to claim 2, wherein said context-full ~~page-level~~ API based on a page-level API comprises an extensible document parser ~~for determining~~ operable to determine at least one parser extension.



10. (Currently Amended): The system according to claim 8, wherein each of said parser ~~addition~~ additions of said library of parser additions implements an algorithm for parsing forms from a HTML document.

11. (Currently Amended): The system according to claim 8, wherein each of said parser ~~addition~~ additions of said library of parser additions implements an algorithm for parsing embedded documents from a HTML document.

12. (Original): The system according to claim 9, wherein said algorithm parses hyperlinks by searching text between a left and a right boundary string.

13. (Original): The system according to claim 2, wherein said context-full API comprises form merging replay instructions.

14. (Currently Amended): The system according to claim 13, wherein said form merging instructions comprise:

a reference to a form in a previously downloaded web page, said form in said previously downloaded web page being an HTML form;

a reference to a form in said at least one context-full test script, said form in said at least one context-full test script being a script form; and

instructions for merging said HTML form and said at least one context-full script form to produce a form to be submitted.

15. (Currently Amended): The system according to claim 14, wherein:

said instructions for merging said HTML form and said script form comprise merging instructions for each individual form field of said HTML form and said script form; and

said merging instructions for each said individual form field ~~comprising~~ comprise at least one member selected from ~~of~~ the group consisting of:

an instruction to send a form field value obtained from said HTML form;

an instruction to send a form field value specified in said script form; and

an instruction to not send one of said form fields[[:]].

16. (Original): The system according to claim 15, wherein said merging instructions comprise an instruction to use an action URL in said test script instead of an action URL obtained from said HTML form for said form to be submitted.

17. (Currently Amended): The system according to claim 1, wherein said recorder is operable to record ~~records~~ a page-level test script comprising parser extensions and form merging instructions.

18. (Currently Amended): The system according to claim 17, wherein said recorder ~~keeps~~ is operable to track ~~of~~ a session history by building representations of all web pages downloaded so far during a recording session.



each of said parser additions of said library of parser additions implements a specific parsing algorithm; and

said recorder is operable to detect ~~detects~~ which one of said parser extensions is to be recorded by querying each of said parser additions for suitable parameters.

23. (Currently Amended): The system according to claim 1, wherein said recorder is operable to record ~~records~~ form merging instructions by performing fuzzy form detection.

24. (Currently Amended): The system according to claim 23, wherein said recorder is operable to perform ~~performs~~ fuzzy form detection by comparing a form being submitted to all forms in a session history, operable to choose ~~choosing~~ a form from said session history which is most similar to said form being submitted; and further operable to record ~~recording~~ said form merging instructions so that said recorded form merging instructions applied to said form chosen from said session history result in a form identical to said form being submitted.

25. (Currently Amended): The system according to claim 1, wherein said replay engine is operable to execute ~~executes~~ said context-full test script, said context-full test script comprising parser extensions and form merging instructions.

26. (Currently Amended): The system according to claim 25, wherein said replay engine ~~keeps~~ is operable to track of a session history by building representations of all web pages downloaded so far during a replaying session.



a processor; and

a memory storing processing instructions for controlling the processor, the processor operative with the processing instructions to:

record at least one context-full test script; and

execute said context-full test script using a context-full API for a replay engine of a ~~testing, monitoring, or automating~~ tool, said tool operable to parse said client side executable code so as to determine a subsequent state of the network application free of interaction with a user.

30. (Currently Amended): A device for automatic context management for testing, monitoring and automating a network applications, ~~comprising network applications with~~ application having client side executable code ~~execution~~, said device comprising:

a processor; and

a memory storing processing instructions for controlling the processor, the processor operative with the processing instructions to:

record at least one context-full test script;

determine at least one parser extension using an extensible document parser of a context-full page-level API for a replay engine of a ~~testing, monitoring, or automating~~ tool, said tool operable to parse said client side executable code so as to determine a subsequent state of the network application free of interaction with a user;

include a replay instruction specifying at least one parser addition and parameters for said parser addition in said at least one parser extension;





HTML form; a reference to a form in said test script, said form in said test script being a script form; and instructions for merging said HTML form and said script form to produce a form to be submitted; and

execute said context-full test script using said context-full page-level API for said replay engine.